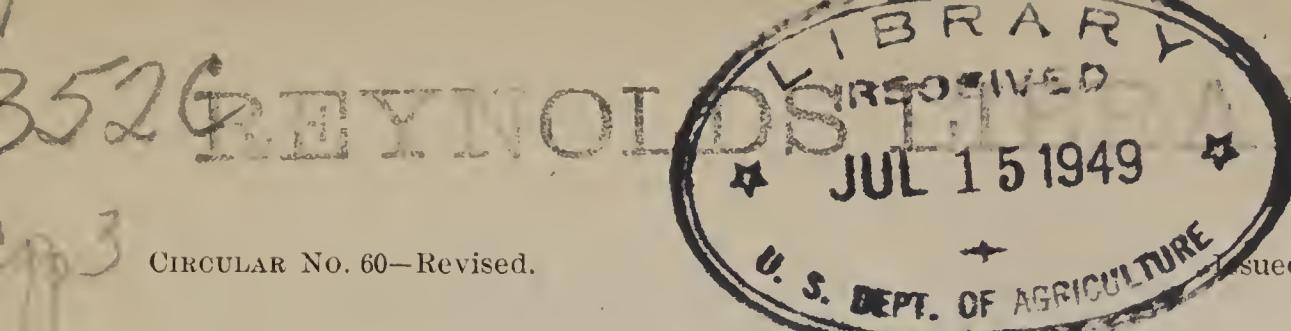


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3 CIRCULAR NO. 60—Revised.

Issued October 29, 1907.

# United States Department of Agriculture,

BUREAU OF BIOLOGICAL SURVEY,

C. HART MERRIAM, Chief.

## LIST OF PUBLICATIONS OF THE BIOLOGICAL SURVEY, DEPARTMENT OF AGRICULTURE.<sup>1</sup>

1907.

### BULLETINS.

No. 1. The English Sparrow (*Passer domesticus*) in North America, Especially in Its Relations to Agriculture. Prepared under the direction of C. Hart Merriam by Walter B. Barrows. Pp. 405, figs. 10, map. 1889. Price 25 cents.

No. 2. Report on Bird Migration in the Mississippi Valley in the Years 1884 and 1885. By W. W. Cooke. Edited and revised by C. Hart Merriam. Pp. 313, map. 1888. [Out of print.]

No. 3. The Hawks and Owls of the United States in Their Relation to Agriculture. By A. K. Fisher. Pp. 210, pls. 26. 1893. [Replaced by Circular No. 61.]

No. 4. The Prairie Ground Squirrels or Spermophiles of the Mississippi Valley. By Vernon Bailey. Pp. 69, pls. 3, maps 4. 1893. [Out of print.]

No. 5. The Pocket Gophers of the United States. Prepared under the direction of C. Hart Merriam by Vernon Bailey. Pp. 47, pls. 2, figs. 6, map. 1895. Price 15 cents.

No. 6. The Common Crow of the United States. By Walter B. Barrows and E. A. Schwarz. Pp. 96, pl. 1, figs. 2. 1895. [Out of print.]

No. 7. Preliminary Report on the Food of Woodpeckers. By F. E. L. Beal. The Tongues of Woodpeckers. By F. A. Lucas. Pp. 44, pls. 4, figs. 4. 1895. Price 10 cents.

No. 8. The Jack Rabbits of the United States. By T. S. Palmer. Pp. 84, pls. 7 (including 3 maps), figs. 2. 1896. [Out of print.]

*Same*, revised edition. Pp. 88, pls. 6 (including 2 maps), figs. 3. 1897. Price 10 cents.

No. 9. Cuckoos and Shrikes in Their Relation to Agriculture. The Food of Cuckoos, by F. E. L. Beal. The Food of Shrikes, by Sylvester D. Judd. Pp. 26, pl. 1, fig. 1. 1898. Price 5 cents.

No. 10. Life Zones and Crop Zones of the United States. By C. Hart Merriam. Pp. 79, colored map. 1898. Price 10 cents.

No. 11. The Geographic Distribution of Cereals in North America. By C. S. Plumb. Pp. 24, maps 4. 1898. Price 10 cents.

<sup>1</sup> Application for the publications mentioned in this list, except bulletins and faunas, may be addressed to the Chief of Biological Survey, United States Department of Agriculture, Washington, D. C.

Bulletins and faunas are not for general distribution and are to be obtained by purchase. Remittance should be made only by postal money order (stamps not accepted) or by New York exchange directly to the Superintendent of Documents, Government Printing Office, Washington, D. C.

No. 12. Legislation for the Protection of Birds other than Game Birds. By T. S. Palmer. Pp. 94, maps 3, figs. 7. 1900. [Out of print.]

*Same*, revised edition. Pp. 143, maps 5, figs. 6. 1902. Price 10 cents.

No. 13. Food of the Bobolink, Blackbirds, and Grackles. By F. E. L. Beal. Pp. 77, figs. 6, map. 1900. Price 5 cents.

No. 14. Laws Regulating the Transportation and Sale of Game. By T. S. Palmer and H. W. Olds. Pp. 89, pls. 9 (including 5 maps). Price 10 cents.

No. 15. The Relation of Sparrows to Agriculture. By Sylvester D. Judd. Pp. 98, pls. 4, figs. 19. 1901. Price 10 cents.

No. 16. Digest of Game Laws for 1901. By T. S. Palmer and H. W. Olds. Pp. 152, pls. 8 (including 7 maps). 1901. Price 10 cents.

No. 17. Birds of a Maryland Farm. A Local Study of Economic Ornithology. By Sylvester D. Judd. Pp. 116, pls. 17, figs. 41. 1902. [Out of print.]

No. 18. Distribution and Migration of North American Warblers. By Wells W. Cooke. Pp. 142. 1904. Price 10 cents.

No. 19. Hunting Licenses: Their History, Objects, and Limitations. By T. S. Palmer. Pp. 72, pls. 7 (including 7 maps). 1904. Price 10 cents.

No. 20. Coyotes in Their Economic Relations. By David E. Lantz. Pp. 28. 1905. Price 5 cents.

No. 21. The Bobwhite and Other Quails of the United States in Their Economic Relations. By Sylvester D. Judd. Pp. 66, pls. 2, figs. 10. 1905. Price 5 cents.

No. 22. Birds Known to Eat the Boll Weevil. By Vernon Bailey. Pp. 16. 1905. Price 5 cents.

No. 23. The Horned Larks and Their Relation to Agriculture. By W. L. McAtee. Pp. 37, pls. 2, figs. 13. 1905. Price 5 cents.

No. 24. The Grouse and Wild Turkeys of the United States and Their Economic Value. By Sylvester D. Judd. Pp. 55, pls. 2. 1905. Price 10 cents.

No. 25. Birds that Eat the Cotton Boll Weevil. A Report of Progress. By Arthur H. Howell. Pp. 22. 1906. Price 10 cents.

No. 26. Distribution and Migration of North American Ducks, Geese, and Swans. By Wells W. Cooke. Pp. 90. 1906. Price 10 cents.

No. 27. The North American Eagles and Their Economic Relations. By Harry C. Oberholser. Pp. 31, pls. 2, figs. 2. 1906. Price 10 cents.

No. 28. Game Commissioners and Wardens: Their Appointment, Powers, and Duties. By R. W. Williams, jr. Pp. 285, pls. 7. 1907. Price 35 cents.

No. 29. The Relation of Birds to the Cotton Boll Weevil. By Arthur H. Howell. Pp. 31, pls. 1, figs. 6. 1907. Price 10 cents.

No. 30. Birds of California in Relation to the Fruit Industry. Part 1. By F. E. L. Beal. Pp. 100, pls. 5. 1907.

No. 31. An Economic Study of Field Mice (Genus *Microtus*). By David E. Lantz. Pp. 64, pls. 8, figs. 3. 1907.

#### NORTH AMERICAN FAUNA.

No. 1. Revision of the North American Pocket Mice. By C. Hart Merriam. Pp. 36, pls. 4. 1889. Price 10 cents.

No. 2. Descriptions of Fourteen New Species and One New Genus of North American Mammals. By C. Hart Merriam. Pp. 52, pls. 8, figs. 7. 1889. Price 10 cents.

No. 3. Results of a Biological Survey of the San Francisco Mountain Region and Desert of the Little Colorado, Arizona. By C. Hart Merriam and Leonhard Stejneger. Pp. 136, pls. 14, maps 5 (colored), figs. 2. 1890. Price 25 cents.

No. 4. Description of Twenty-six New Species of North American Mammals. By C. Hart Merriam. Pp. 60, pls. 3, figs. 3. 1890. Price 10 cents.

No. 5. Results of a Biological Reconnoissance of South-Central Idaho. By C. Hart Merriam and Leonhard Stejneger. Descriptions of a New Genus and Two New Species of North American Mammals. By C. Hart Merriam. Pp. 132, pls. 4 (1 colored), figs. 4. 1891. Price 15 cents.

NOTE.—Numbers 6 and 9 of this series have not been issued.

No. 7. The Death Valley Expedition: A Biological Survey of Parts of California, Nevada, Arizona, and Utah. Part II. 1. Report on Birds, by A. K. Fisher; 2. Report on Reptiles and Batrachians, by Leonhard Stejneger; 3. Report on Fishes, by Charles H. Gilbert; 4. Report on Insects, by C. V. Riley; 5. Report on Mollusks, by R. E. C. Stearns; 6. Report on Desert Trees and Shrubs, by C. Hart Merriam; 7. Report on Desert Cactuses and Yuccas, by C. Hart Merriam; 8. List of Localities, by T. S. Palmer. Pp. 402, pls. 15, maps 5, figs. 2. 1893. [Out of print.]

No. 8. Monographic Revision of the Pocket Gophers, Family Geomyidæ (exclusive of the Species of *Thomomys*). By C. Hart Merriam. Pp. 258, pls. 20, figs. 71, maps 4 (colored). 1895. Price 35 cents.

No. 10. Revision of the Shrews of the American Genera *Blarina* and *Notiosorex*. By C. Hart Merriam. The Long-tailed Shrews of the Eastern United States. By Gerrit S. Miller, jr. Synopsis of the American Shrews of the Genus *Sorex*. By C. Hart Merriam. Pp. 124, pls. 12, figs. 3. 1895. Price 15 cents.

No. 11. Synopsis of the Weasels of North America. By C. Hart Merriam. Pp. 44, pls. 6, figs. 16. Price 10 cents.

No. 12. The Genera and Subgenera of Voles and Lemmings. By Gerrit S. Miller, jr. Pp. 84, figs. 40, pls. 3. Price 10 cents.

No. 13. Revision of the North American Bats of the Family Vespertilionidæ. By Gerrit S. Miller, jr. Pp. 140, pls. 3, figs. 40. 1897. Price 10 cents.

No. 14. Natural History of the Tres Marias Islands, Mexico. Prepared under the direction of C. Hart Merriam. General Account of the Islands, with Reports on Mammals and Birds, by E. W. Nelson. Reptiles, by Leonhard Stejneger. Notes on Crustacea, by Mary J. Rathbun. Plants, by J. N. Rose. Bibliography, by E. W. Nelson. Pp. 97, map, figs. 2. 1899. Price 10 cents.

No. 15. Revision of the Jumping Mice of the Genus *Zapus*. By Edward A. Preble. Pp. 42, pl. 1, figs. 4. 1899. Price 5 cents.

No. 16. Results of a Biological Survey of Mount Shasta, California. By C. Hart Merriam. Pp. 179, pls. 5, figs. 46. 1899. Price 20 cents.

No. 17. Revision of American Voles of the Genus *Microtus*. By Vernon Bailey. Pp. 88, pls. 5, figs. 17. 1900. Price 10 cents.

No. 18. Revision of the Pocket Mice of the Genus *Perognathus*. By Wilfred H. Osgood. Pp. 72, pls. 4 (including 2 maps), figs. 15. 1900. Price 10 cents.

No. 19. Results of a Biological Reconnoissance of the Yukon Region: General Account of the Region. Annotated List of Mammals, by Wilfred H. Osgood. Annotated List of Birds, by Louis B. Bishop. Pp. 100, pls. 7 (including map). 1900. [Out of print.]

No. 20. Revision of the Skunks of the Genus *Chincha* [*Mephitis*]. By Arthur H. Howell. Pp. 62, pls. 8. 1901. Price 10 cents.

No. 21. Natural History of the Queen Charlotte Islands, British Columbia, and Natural History of the Cook Inlet Region, Alaska. By Wilfred H. Osgood. Pp. 87, pls. 7 (including map), fig. 1. 1901. Price 10 cents.

No. 22. A Biological Investigation of the Hudson Bay Region. By Edward A. Preble. Pp. 140, pls. 14 (including map). 1902. Price 20 cents.

No. 23. Index Generum Mammalium: A List of the Genera and Families of Mammals. By T. S. Palmer. Pp. 984. 1904. [Out of print.]

No. 24. A Biological Reconnoissance of the Base of the Alaska Peninsula. By Wilfred H. Osgood. Pp. 86, pls. 7 (including 2 maps). 1904. Price 10 cents.

No. 25. Biological Survey of Texas: Life Zones, with Characteristic Species of Mammals, Birds, Reptiles, and Plants; Reptiles, with Notes on Distribution; Mammals, with Notes on Distribution, Habits, and Economic Importance. By Vernon Bailey. Pp. 222, pls. 16 (including 6 maps), figs. 24 (including 16 maps). 1905. Price 50 cents.

No. 26. Revision of the Skunks of the Genus *Spilogale*. By Arthur H. Howell. Pp. 55, pls. 10 (including 1 map). 1906. Price 25 cents.

#### CIRCULARS.

No. 1. Circular on the Food Habits of Birds. By C. Hart Merriam. Pp. 3. 1886. Second edition issued same year. [Out of print.]

No. 2. Circular on the English Sparrow (*Passer domesticus*). By C. Hart Merriam. P. 1. 1886. [Out of print.]

No. 3. Circular on the Economic Relations of Mammals. By C. Hart Merriam. Pp. 3. 1886. Second edition same year. [Out of print.]

No. 4. Instructions for the Collection of Stomachs. By C. Hart Merriam. P. 1. 1886. [Superseded by No. 46.]

No. 5. Circular to Rice Growers. By C. Hart Merriam. 1886. [Out of print.]

No. 6. Letter of Acknowledgment of Receipt of Schedule of English Sparrow. 1886. [Not for distribution.]

No. 7. Circular to Postmasters in Relation to the English Sparrow. 1886. [Not for distribution.]

No. 8. Circular on the Geographical Distribution and Migration of North American Birds for 1887. By C. Hart Merriam. Pp. 4. 1887. [Out of print.]

No. 9. Circular on Gophers. P. 1. 1888. Second edition in 1889. [Out of print.]

No. 10. Circular on Killdeer Plover. P. 1. 1889. [Out of print.]

No. 11. Brief Directions for the Measurement of Small Mammals and the Preparation of Museum Skins. By C. Hart Merriam. Pp. 4, figs. 4. 1889.

No. 12. Directions for Collecting the Stomachs of Birds. By C. Hart Merriam. Pp. 3. 1891. [Superseded by No. 46.]

Nos. 13, 14, 15, 16, 18, 23, 24, 25, 26, 27. Notification (and Receipt) Blanks of Publications Mailed. [Not for distribution.]

No. 17. Bird Day in the Schools. By T. S. Palmer. Pp. 4. 1896. [Out of print.]

*Same*, reprint. 1905. [Out of print.]

*Same*, reprint. 1907.

No. 19. Circular [Requests for Information] in Relation to Bounties on Mammals and Birds. P. 1. 1896.

No. 20. Distribution and Sale of Publications. Pp. 2. 1896. [Out of print.]

Nos. 21, 22. Geographic Distribution of North American Cereals [Request for Information]. By C. S. Plumb. 1897.

No. 28. Directory of State Officials and Organizations Concerned with the Protection of Birds and Game. By T. S. Palmer. Pp. 8. 1900. [Superseded by No. 62.]

No. 29. Protection and Importation of Birds under Act of Congress Approved May 25, 1900. Pp. 6. 1900.

No. 30. Wild Animals and Birds which may be Imported without Permits. P. 1. 1900.

No. 31. Information Concerning Game: Seasons, Shipment, and Sale. By T. S. Palmer and H. W. Olds. Pp. 20. 1900.

No. 32. Directions for the Destruction of Prairie Dogs. By C. Hart Merriam. Pp. 2. 1901.

No. 33. Protection of Birds and Game: Directory of State Officials and Organizations for 1901. By T. S. Palmer. Pp. 10. 1901. [Superseded by No. 62.]

No. 34. Laws for the Protection of Birds and Game in the District of Columbia. By T. S. Palmer. Pp. 8. 1901.

No. 35. Directory of State Officials and Organizations Concerned with the Protection of Birds and Game, 1902. By T. S. Palmer. Pp. 10. 1902. [Superseded by No. 62.]

No. 36. Importation of Reptiles into Hawaii. P. 1. 1902. [Out of print.]

No. 37. Regulations for the Importation of Eggs of Game Birds for Propagation. Pp. 2. 1902.

No. 38. Interstate Commerce in Birds and Game. Pp. 3. 1902.

No. 39. Regulations for the Protection of Game in Alaska. Pp. 6. 1903. [Superseded by No. 42.]

No. 40. Directory of State Officials and Organizations Concerned with the Protection of Birds and Game, 1903. By T. S. Palmer. Pp. 12. 1904. [Superseded by No. 62.]

No. 41. Letter Calling for Data on Migration of Five Species of Birds in the Northwestern United States and British Provinces. By C. Hart Merriam. P. 1. 1904..

No. 42. Regulations for the Protection of Game in Alaska for the Year 1904. Pp. 6. 1904.

No. 43. Definitions of Open and Closed Seasons for Game. By Henry Oldys. Pp. 8. 1904.

No. 44. Directory of State Officials and Organizations Concerned with the Protection of Birds and Game, 1904. By T. S. Palmer. Pp. 15. 1904. [Superseded by No. 62.]

No. 45. Warning against Trespass on the Breton Island Reservation. P. 1. 1905.

No. 46. Directions for Collecting Birds' Stomachs. By C. Hart Merriam. P. 1. 1905.

No. 47. Recommendations of State Game Commissioners and Wardens for 1905. By T. S. Palmer. Pp. 12. 1905. [Out of print.]

No. 48. [Prohibition of] Importation of Snakes into Hawaii. P. 1. 1905. [Out of print.]

No. 49. Directions for Preparing Specimens of Large Mammals in the Field. By C. Hart Merriam. Pp. 4, figs. 6. 1905.

No. 50. Directory of State Officials and Organizations Concerned with the Protection of Birds and Game, 1905. By T. S. Palmer. Pp. 16. 1905. [Superseded by No. 62.]

No. 51. List of Publications of the Biological Survey, Department of Agriculture. Pp. 6. 1906. [Superseded by No. 60.]

No. 52. Directions for Destroying Pocket Gophers. By David E. Lantz. Pp. 4. 1906.

No. 53. Directory of Officials and Organizations Concerned with the Protection of Birds and Game. 1906. By T. S. Palmer. Pp. 16. 1906. [Superseded by No. 62.]

No. 54. Statistics of Hunting Licenses. By T. S. Palmer. Pp. 24. 1906.

No. 55. Directions for the Destruction of Wolves and Coyotes. By Vernon Bailey. Pp. 6. 1907.

No. 56. Value of Swallows as Insect Destroyers. By H. W. Henshaw. Pp. 4. 1907.

No. 57. Birds Useful in the War Against the Cotton Boll Weevil. By H. W. Henshaw. Pp. 4. 1907.

No. 58. Destruction of Deer by the Northern Timber Wolf. By Vernon Bailey. P. 1. 1907.

No. 59. Game Protection in Florida. By R. W. Williams, jr. Pp. 11. 1907.

No. 60. List of Publications of the Biological Survey, Department of Agriculture. Pp. 8. 1907. [Revised to November, 1907.]

No. 61. Hawks and Owls from the Standpoint of the Farmer. By A. K. Fisher. Pp. 18, figs. 6. 1907.

No. 62. Directory of Officials and Organizations Concerned with the Protection of Birds and Game, 1907. By T. S. Palmer. Pp. 16. 1907.

#### FARMERS' BULLETINS.

No. 54. Some Common Birds in Their Relation to Agriculture. By F. E. L. Beal. Pp. 40, figs. 22. 1897.

No. 160. Game Laws for 1902. A Summary of the Provisions Relating to Seasons, Shipment, Sale, and Licenses. By T. S. Palmer and H. W. Oldys. Pp. 56, maps 3. 1902.

No. 180. Game Laws for 1903. A Summary of the Provisions Relating to Seasons, Shipment, Sale, and Licenses. By T. S. Palmer, Henry Oldys, and R. W. Williams, jr. Pp. 56, maps 5. 1903.

No. 197. Importation of Game Birds and Eggs for Propagation. By T. S. Palmer and Henry Oldys. Pp. 30. 1904.

No. 207. Game Laws for 1904. A Summary of the Provisions Relating to Seasons, Shipment, Sale, and Licenses. By T. S. Palmer, Henry Oldys, and R. W. Williams, jr. Pp. 64, figs. 5 (maps). 1904.

No. 226. Relation of Coyotes to Stock Raising in the West. By David E. Lantz. Pp. 24, fig. 1905.

No. 230. Game Laws for 1905. A Summary of the Provisions Relating to Seasons, Shipment, Sale, and Licenses. By T. S. Palmer, Henry Oldys, and R. W. Williams, jr. Pp. 54. 1905.

No. 265. Game Laws for 1906. A Summary of the Provisions Relating to Seasons, Shipment, Sale, and Licenses. By T. S. Palmer and R. W. Williams, jr. Pp. 54. 1906.

No. 297. Methods of Destroying Rats. By David E. Lantz. Pp. 8, figs. 1. 1907.

No. 308. Game Laws for 1907. A Summary of the Provisions Relating to Seasons Shipment, Sale, and Licenses. By T. S. Palmer, Henry Oldys, and Chas. E. Brewster. Pp. 52, maps 4. 1907.

REPRINTS OF ARTICLES PUBLISHED IN YEARBOOK.

Geographic Distribution of Animals and Plants in North America. By C. Hart Merriam. Yearbook for 1894. Pp. 203-214, map. [Out of print.]

Hawks and Owls from the Standpoint of the Farmer. By A. K. Fisher. Yearbook for 1894. Pp. 215-232, pls. 3, figs. 4.

Crow Blackbirds and Their Food. By F. E. L. Beal. Yearbook for 1894. Pp. 233-248, fig. [Out of print.]

Four Common Birds of the Farm and Garden. By Sylvester D. Judd. Yearbook for 1895. Pp. 405-418, figs. 4.

The Meadow Lark and Baltimore Oriole. By F. E. L. Beal. Yearbook for 1895. Pp. 419-430, figs. 2.

Extermination of Noxious Animals by Bounties. By T. S. Palmer. Yearbook for 1896. Pp. 55-68. [Out of print.]

The Blue Jay and Its Food. By F. E. L. Beal. Yearbook for 1896. Pp. 197-206, figs. 3.

Birds that Injure Grain. By F. E. L. Beal. Yearbook for 1897. Pp. 345-354. [Out of print.]

Danger of Introducing Noxious Animals and Birds. By T. S. Palmer. Yearbook for 1898. Pp. 87-110, pl. 1, figs. 6.

Birds as Weed Destroyers. By Sylvester D. Judd. Yearbook for 1898. Pp. 221-232, pl. 1, figs. 7.

Review of Economic Ornithology in the United States. By T. S. Palmer. Yearbook for 1899. Pp. 259-292, pls. 3 (including 1 map), fig. [Out of print.]

Food of Nestling Birds. By Sylvester D. Judd. Yearbook for 1900. Pp. 411-436, pls. 5, figs. 9.

How Birds Affect the Orchard. By F. E. L. Beal. Yearbook for 1900. Pp. 291-304, figs. 5.

Prairie Dogs of the Great Plains. By C. Hart Merriam. Yearbook for 1901. Pp. 257-270, pls. 3, figs. 2.

Two Vanishing Game Birds. By A. K. Fisher. Yearbook for 1901. Pp. 447-458, pls. 2, figs. 3.

Audubon Societies in Relation to the Farmer. By Henry Oldys. Yearbook for 1902. Pp. 200-218, pls. 2, figs. 2. [Out of print.]

The Agaves, a Remarkable Group of Useful Plants. By E. W. Nelson. Yearbook for 1902. Pp. 313-320, pls. 4. [Out of print.]

Economic Value of the Bobwhite. By Sylvester D. Judd. Yearbook for 1903. Pp. 193-204, pl. 1.

Some New Facts about the Migration of Birds. By Wells W. Cooke. Yearbook for 1903. Pp. 371-386, maps 2.

Relation of Birds to Fruit Growing in California. By F. E. L. Beal. Yearbook for 1904. Pp. 241-254.

Some Benefits the Farmer May Derive from Game Protection. By T. S. Palmer. Yearbook for 1904. Pp. 509-520.

Game Protection in 1904. By T. S. Palmer. Yearbook for 1904. Pp. 606-610.

Meadow Mice in Relation to Agriculture and Horticulture. By D. E. Lantz.

Yearbook for 1905. Pp. 363-376, pls. 4, fig. 1.

Federal Game Protection: A Five Years' Retrospect. By T. S. Palmer. Yearbook for 1905. Pp. 541-562, pl. 1, figs. (maps) 13.

Game Protection in 1905. By T. S. Palmer. Yearbook for 1905. Pp. 611-617.

Cage-Bird Traffic of the United States. By Henry Oldys. Yearbook for 1906. Pp. 165-180, pls. 2.

Birds That Eat Scale Insects. By W. L. McAtee. Yearbook for 1906. Pp. 189-198, figs. 3.

The Game Warden of To-day. By R. W. Williams, jr. Yearbook for 1906. Pp. 213-224.

Game Protection in 1906. By T. S. Palmer. Yearbook for 1906. Pp. 533-540.

